



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: WEYERHAEUSER NR COMPANY
FACILITY NAME: MILLPORT WOOD PRODUCTS FACILITY
FACILITY/PERMIT NO.: 408-S003
LOCATION: MILLPORT, LAMAR COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: DRAFT
Effective Date: DRAFT
Expiration Date: November 1, 2024

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General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p>	<p>ADEM Admin. Code r. 335-3-16-.02(6)</p>
<p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	<p>ADEM Admin. Code r. 335-3-16-.12(2)</p>
<p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(e)</p>
<p>4. <u>Compliance</u></p> <p>(a) The Permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the Permittee.</p> <p>(b) The Permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p>
<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(h)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	ADEM Admin. Code r. 335-3-16-.05(i)
<p>7. <u>Submission of Information</u></p> <p>The Permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the Permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p>	ADEM Admin. Code r. 335-3-16-.05(j)
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	ADEM Admin. Code r. 335-3-16-.05(k)
<p>9. <u>Certification of Truth, Accuracy, and Completeness</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	ADEM Admin. Code r. 335-3-16-.07(a)
<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <p>(a) Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</p> <p>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</p>	ADEM Admin. Code r. 335-3-16-.07(b)

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p>	
<p>11. <u>Compliance Provisions</u></p> <p>(a) The Permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The Permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p>	<p>ADEM Admin. Code r. 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>The Permittee shall submit a complete and accurate compliance certification by January 1st of each year for each annual reporting period of this permit (November 2nd – November 1st).</p> <p>(a) The compliance certification shall include the following:</p> <ol style="list-style-type: none">(1) The identification of each term or condition of this permit that is the basis of the certification;(2) The compliance status;(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);(4) Whether compliance has been continuous or intermittent;(5) Such other facts as the Air Division may require to determine the compliance status of the source; <p>(b) The compliance certification shall be submitted to:</p>	<p>ADEM Admin. Code r. 335-3-16-.07(e)</p>

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

and to:

Enforcement and Compliance Assurance Division
EPA Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303

13. Reopening for Cause

Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:

ADEM Admin. Code r.
335-3-16-.13(5)

- (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the Permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.
- (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.
- (c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

14. Permit Shield

A permit shield exists under this operating permit in accordance with ADEM Administrative Code r. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permit shield is based on the accuracy of the information supplied in the application for this permit.

ADEM Admin. Code r.
335-3-16-.10

15. Additional Rules and Regulations

This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.

§22-28-16(d), Code of Alabama 1975, as amended

16. Equipment Maintenance or Breakdown

(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Air Division at least (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:

ADEM Admin. Code r. 335-3-1-.07(1),(2)

- (1) Identification of the specific facility to be taken out of service as well as its location and permit number;
- (2) The expected length of time that the air pollution control equipment will be out of service;
- (3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period;
- (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;
- (5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period.

(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.

17. Operation of Capture and Control Devices

All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.

§22-28-16(d), Code of Alabama 1975, as amended

18. Obnoxious Odors

This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.

ADEM Admin. Code r.
335-3-1-.08

19. Fugitive Dust

- (a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.
- (b) Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:
- (1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;
 - (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
 - (3) By paving;
 - (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.

ADEM Admin. Code r.
335-3-4-.02

Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Air Division prior to utilization.

20. Additions and Revisions

Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.

ADEM Admin. Code r.
335-3-16-.13 and 335-3-16-.14

21. Recordkeeping Requirements

- (a) Records of required monitoring information of the source shall include the following:
- (1) The date, place, and time of all sampling or measurements;

ADEM Admin. Code r.
335-3-16-.05(c)2.

- (2) The date analyses were performed;
 - (3) The company or entity that performed the analyses;
 - (4) The analytical techniques or methods used;
 - (5) The results of all analyses; and
 - (6) The operating conditions that existed at the time of sampling or measurement.
- (b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.

22. Reporting Requirements

- (a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).
- (b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.

ADEM Admin. Code r. 335-3-16-.05(c)3.

23. Emission Testing Requirements

Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.

ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)

The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.

To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:

ADEM Admin. Code r. 335-3-1-.04

- (a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.

- (b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning).
- (c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.
- (d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.

A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.

ADEM Admin. Code r. 335-3-1-.04

All test reports must be submitted to the Air Division within **30 days** of the actual completion of the test unless an extension of time is specifically approved by the Air Division.

24. Payment of Emission Fees

- (a) The Permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05.
- (b) The Permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05.

ADEM Admin. Code r. 335-1-7-.05

ADEM Admin. Code r. 335-1-7-.05

25. Other Reporting and Testing Requirements

Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.

ADEM Admin. Code r. 335-3-1-.04(1)

26. Title VI Requirements (Refrigerants)

Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.

ADEM Admin. Code r. 335-3-16-.05(a)

No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.

The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR §82.166. Reports shall be submitted to the US EPA and the Department as required.

27. Chemical Accidental Prevention Provisions

If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:

40 CFR Part 68

- (a) The owner or operator shall comply with the provisions in 40 CFR Part 68.
- (b) The owner or operator shall submit one of the following:
 - (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a) or,
 - (2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.

28. Display of Permit

This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.

ADEM Admin. Code r. 335-3-14-.01(1)(d)

29. Circumvention

No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.

ADEM Admin. Code r. 335-3-1-.10

30. Visible Emissions

Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.

ADEM Admin. Code r. 335-3-4-.01(1)

31. Fuel-Burning Equipment

Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.03.

ADEM Admin. Code r. 335-3-4-.03

Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-5-.01.

ADEM Admin. Code r.
335-3-5-.01

32. Process Industries – General

Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.04.

ADEM Admin. Code r.
335-3-4-.04

33. Averaging Time for Emission Limits

Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.

ADEM Admin. Code r.
335-3-1-.05

34. Open Burning

Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.

ADEM Admin. Code r.
335-3-3-.01

Emission Unit Nos. 001, 002, 003 (CDK-4, CDK-5, CDK-6)

Summary Page

Description: Three Continuous Direct-Fired Lumber Dry Kilns

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
CDK-4 (B)	117,000 MBF/yr CDK No. 4 (CDK-4) with 35 MMBtu/hr Wood-Fired Burner	PM	3.4 lb/hr	ADEM Admin. Code r. 335-3-14-.04
		VOC	4.70 lb/MBF as WPP1	ADEM Admin. Code r. 335-3-14-.04
CDK-5 (A)	134,000 MBF/yr Continuous Direct-Fired Lumber Dry Kiln No. 5 (CDK-5) with 40 MMBtu/hr Wood-Fired Burner	PM	3.4 lb/hr	ADEM Admin. Code r. 335-3-14-.04
		VOC	4.70 lb/MBF as WPP1	ADEM Admin. Code r. 335-3-14-.04
CDK-6 (C)	134,000 MBF/yr Continuous Direct-Fired Lumber Dry Kiln No. 6 (CDK-6) with 40 MMBtu/hr Wood-Fired Burner	PM	3.4 lb/hr	ADEM Admin. Code r. 335-3-14-.04
		VOC	4.70 lb/MBF as WPP1	ADEM Admin. Code r. 335-3-14-.04

Emission Unit Nos. 001, 002, and 003 (CDK-4, CDK-5, CDK-6)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
1. <u>Applicability</u>	
(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
(b) These units are subject to a Best Available Control Technology (BACT) limit for volatile organic compounds (VOC) established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".	ADEM Admin. Code r. 335-3-14-.04
(c) These units are subject to a synthetic minor emission limitation to restrict its potential to emit for particulate matter to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD))."	ADEM Admin. Code r. 335-3-14-.04
(d) These units are subject to the applicable requirements of 40 CFR Part 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, and the applicable requirements of 40 CFR Part 63, Subpart A, General Provisions as provided in Table 10 to Subpart DDDD.	ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD
2. <u>Emission Standards</u>	
(a) The Permittee shall not cause or allow the particulate matter emission rate from each kiln to exceed 3.4 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
(b) The Permittee shall not cause or allow the VOC emissions from each kiln to exceed 4.70 lb/MBF as WPP1 (as VOC expressed as propane, determined as VOC as $C \times 1.225 + [(1 - 0.65) \times \text{Methanol}] + \text{Formaldehyde}$).	ADEM Admin. Code r. 335-3-14-.04
3. <u>Compliance and Performance Test Methods and Procedures</u>	
(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 at 40 CFR Part 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
(b) If testing is required, the volatile organic compound (VOC) emission rate shall be measured in accordance with Method 25A at 40 CFR Part 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>4. <u>Emission Monitoring</u></p> <p>The Permittee shall utilize proper maintenance and operating practices as recommended by the manufacturer, which include but may not be limited to the following:</p> <p>a. Proper Maintenance Practices:</p> <ol style="list-style-type: none"> i. Conduct daily routine maintenance to include cleaning debris from around kiln and pusher tracks; ii. Conduct weekly routine maintenance to include the greasing kiln fan shafts; iii. Conduct quarterly routine maintenance to include greasing and lubricate fan motors and bearings; iv. Conduct semiannual routine maintenance to include checking and retightening (if needed) motor mount bolts and taper lock bolts; v. Conduct annual routine maintenance to include the following: <ol style="list-style-type: none"> 1. Inspect controller cabinet for dust and small debris; 2. Inspect all sensors for proper operation; 3. Inspect and adjust (if needed) all intake vent lids to assure they are opening and closing in unison and that they close tightly; 4. Inspect all rods and linkage bolts for tightness, wear, and necessary maintenance or replacement; 5. Grease each rod support bearing for smooth rotation; and 6. Remove cover and inspect motor wiring box for moisture or corroded connections. Clean and repair as needed. <p>b. Proper Operating Practices:</p> <p>The Permittee shall operate each CDK in accordance with its "VOC BACT Good Operating Procedures and Work Practices" plan, dated December 16, 2016, and revised on September 6, 2018. Any change to the plan shall receive prior approval from the Air Division.</p>	<p>ADEM Admin. Code r. 335-3-14-.04 and ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The Permittee shall maintain records documenting its compliance with the proper maintenance and operating practices required by Item 4a. and b. above.</p> <p>(b) The Permittee shall maintain records of individual kiln and total kiln production, including monthly production and 12-month rolling totals. Within ten (10) days of the end of each calendar month, records of the total throughput for the last calendar month shall be recorded and the rolling 12-month total updated.</p> <p>(c) The Permittee shall retain all required records in a permanent form suitable and readily available for inspection for a period of five (5) years from the date of generation of each record.</p> <p>(d) If these kilns should exceed an applicable limit at any time, the Permittee shall notify the Air Division in writing within two working days of determining that the exceedance occurred.</p> <p>(e) The Permittee shall submit a Semiannual Monitoring Report for the kilns to the Air Division as part of the Semiannual Monitoring Report required by the Permittee's Major Source Operating Permit. This report shall include a certification that all proper maintenance and operating practices were accomplished as required during the reporting period, and if not, describe the date and reason any required action was not accomplished.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Emission Unit No. 004 (Sawmill and Pneumatic Sawdust Fuel Transport and Storage)

Summary Page

Description: Sawmill and Pneumatic Sawdust Fuel Transport and Storage with Three Storage Silos and Three Cyclones (CDKC-4/CDKC-5/CDKC-6) (SMS)

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
CDKC-4 (B)	CDK-4 Fuel Silo Cyclone	PM	2.5 lb/hr (combined)	ADEM Admin. Code r. 335-3-14-.04
CDKC-5 (A)	CDK-5 Fuel Silo Cyclone	PM		ADEM Admin. Code r. 335-3-14-.04
CDKC-6 (C)	CDK-6 Fuel Silo Cyclone	PM		ADEM Admin. Code r. 335-3-14-.04

Emission Unit No. 004 (Sawmill and Pneumatic Sawdust Fuel Transport and Storage)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) These processes are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This process is subject to a synthetic minor emission limitation to restrict its potential to emit for particulate matter to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD))."</p> <p>2. <u>Emission Standards</u></p> <p>(a) The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62} \quad (P < 30 \text{ TPH})$ $E = 17.31P^{0.16} \quad (P \geq 30 \text{ TPH})$ <p>where E = Emissions in pounds per hour</p> <p> P = Process weight in tons per hour</p> <p>(b) The Permittee shall not cause or allow the particulate matter emission rate from the cyclones (Emission Points CDKC-4, CDKC-5, and CDKC-6) to exceed 2.5 lb/hr.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>4. <u>Emission Monitoring</u></p>	
<p>(a) While the process is operating, someone familiar with the process shall observe the visible emissions from the cyclones at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations of normal operation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The cyclones shall be inspected for proper operation and cleaned, if needed, at least annually, but more frequently if greater than normal visible emissions are observed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p>	
<p>(a) The Permittee shall maintain records, including dates, times, and results of all visible emissions observations; corrective actions taken for greater than normal visible emissions; and cyclone inspections, cleanings, and emissions-related maintenance in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. The records shall be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 22(a), no later than 60 days after the end of each semiannual reporting period (January 1st to June 30th and July 1st to December 31st). The report shall:</p> <ol style="list-style-type: none"> 1) Certify whether the emission monitoring requirements were accomplished as required, and if not, describe the date and reason any required monitoring was not accomplished; 2) Provide the date, time, and duration of any instance that greater than normal visible emissions were observed from the cyclone; 3) Provide the nature and date of any corrective actions taken or preventative measures adopted following an observation of greater than normal visible emissions; and 4) Provide the dates of any inspections and/or cleanings performed during the reporting period. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Emission Unit No. 005 (Planer Mill and Reject Chipping Operations; Dry Fuel Silo)

Summary Page

Description: Planer Mill and Reject Chipping Operations with two Quad Cyclones (PM-1/PM-2); Dry Fuel Silo with a Baghouse (PM-3) (SMS)

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
PM-1	Quad Cyclone 1	PM	4.4 lb/hr (combined)	ADEM Admin. Code r. 335-3-14-.04
PM-2	Quad Cyclone 2	PM		ADEM Admin. Code r. 335-3-14-.04
PM-3	Dry Fuel Silo Baghouse	PM		ADEM Admin. Code r. 335-3-14-.04

Emission Unit No. 005 (Planer Mill and Reject Chipping Operations; Dry Fuel Silo)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) These processes are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This process is subject to a synthetic minor emission limitation to restrict its potential to emit for particulate matter to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD))."</p> <p>2. <u>Emission Standards</u></p> <p>(a) The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62} \quad (P < 30 \text{ TPH})$ $E = 17.31P^{0.16} \quad (P \geq 30 \text{ TPH})$ <p>where E = Emissions in pounds per hour</p> <p> P = Process weight in tons per hour</p> <p>(b) The Permittee shall not cause or allow the particulate matter emission rate from the cyclones and baghouse (Emission Points PM-1, PM-2, and PM-3) to exceed 4.4 lb/hr.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>4. <u>Emission Monitoring</u></p>	
<p>(a) While the process is operating, someone familiar with the process shall observe the visible emissions from the cyclones and the baghouse at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations of normal operation for the cyclones, and for the presence of visible emissions from the baghouse.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) Whenever observed visible emissions are greater than normal from the cyclones, or any visible emissions are noted from the baghouse, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal from the cyclone, or eliminated from the baghouse.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The cyclones and baghouse shall be inspected for proper operation and cleaned, if needed, at least annually, but more frequently if greater than normal visible emissions are observed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p>	
<p>(a) The Permittee shall maintain records, including dates, times, and results of all visible emissions observations; corrective actions taken for greater than normal visible emissions from the cyclones, or the presence of visible emissions from the baghouse; and cyclone/baghouse inspections, cleanings, and emissions-related maintenance in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. The records shall be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 22(a), no later than 60 days after the end of each semiannual reporting period (January 1st to June 30th and July 1st to December 31st). The report shall:</p> <ol style="list-style-type: none"> 1) Certify whether the emission monitoring requirements were accomplished as required, and if not, describe the date and reason any required monitoring was not accomplished; 2) Provide the date, time, and duration of any instance that greater than normal visible emissions were observed from the cyclone or the presence of visible emission from the baghouse; 3) Provide the nature and date of any corrective actions taken or preventative measures adopted following an observation of greater than normal visible emissions from the cyclones or the presence of visible emissions from the baghouse; and 4) Provide the dates of any inspections and/or cleanings performed during the reporting period. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Emission Unit No. 006 (Emergency Diesel Fire Pump Engine)

Summary Page

Description: 315 Hp (235 kW_m) John Deere JU6H-UFAD98, Compression Ignition Diesel-fired Reciprocating Internal Combustion Engine (Emergency Fire Pump Engine) (NSPS, Subpart IIII)

Permitted Operating Schedule: Emergency usage and maintenance testing only

Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
006	Emergency Fire Pump Engine	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
	Emergency Fire Pump Engine	NO _x + NMHC	4.0 g/kW _m -hr; (3.0 g/hp-hr)	40 CFR Part 60, Subpart IIII
	Emergency Fire Pump Engine	PM	0.20 g/kW _m -hr; (0.15 g/hp-hr)	40 CFR Part 60, Subpart IIII

Emission Unit No. 006 (Emergency Diesel Fire Pump Engine)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations						
<p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This engine is an affected source under 40 CFR Part 63, Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. In accordance with §63.6590(c), the Permittee shall comply with the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III. No further requirements apply for this engine under this part.</p> <p>(c) This engine is subject to the applicable requirements of 40 CFR Part 60, Subpart III, the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.</p> <p>2. <u>Emission Standards</u></p> <p>(a) The Permittee shall not cause or allow the emissions from this engine to exceed the applicable emission standards in Table 4 to Subpart III as required by §60.4205(c) and §60.4202(d). The applicable emission standards are specified in the following table:</p> <table border="1"> <thead> <tr> <th align="center">Engine</th> <th align="center">NO_x + NMHC g/kW_m-hr (g/hp-hr)</th> <th align="center">PM g/kW_m-hr (g/hp-hr)</th> </tr> </thead> <tbody> <tr> <td align="center">315 brake-hp</td> <td align="center">4.0 (3.0)</td> <td align="center">0.20 (0.15)</td> </tr> </tbody> </table> <p>where:</p> <p align="center">NO_x = Nitrogen oxides</p> <p align="center">NMHC = Non-methane hydrocarbons</p> <p align="center">PM = Particulate matter</p> <p>(b) The Permittee shall operate and maintain this engine according to the manufacturer’s emission-related written instructions.</p>	Engine	NO _x + NMHC g/kW _m -hr (g/hp-hr)	PM g/kW _m -hr (g/hp-hr)	315 brake-hp	4.0 (3.0)	0.20 (0.15)	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(104)</p> <p>ADEM Admin. Code r. 335-3-10-.02(87)</p> <p>40 CFR §§60.4202(d) and 60.4205(c); Table 4 to Subpart III of Part 60</p> <p>40 CFR §60.4206 and §60.4211(a)</p>
Engine	NO _x + NMHC g/kW _m -hr (g/hp-hr)	PM g/kW _m -hr (g/hp-hr)					
315 brake-hp	4.0 (3.0)	0.20 (0.15)					

Federally Enforceable Provisos	Regulations
<p>(c) The Permittee shall not use any diesel fuel for use in this engine that does not meet the following per-gallon standards of 40 CFR §80.510(b):</p> <ul style="list-style-type: none"> (i) Sulfur content shall not exceed 15 parts per million (ppm); and (ii) Cetane index shall be a minimum of 40 <u>or</u> the aromatic content shall not exceed 35 volume percent. <p>(d) The Permittee shall install and operate a non-resettable hour meter.</p> <p>(e) The Permittee shall only operate this engine as specified below:</p> <ul style="list-style-type: none"> 1) Emergency situations; 2) Maintenance checks and readiness testing not to exceed 100 hours per year provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine; and 3) Non-emergency situations, not to exceed 50 hours per year (these 50 hours count toward the 100 hours per year allowed for maintenance checks and readiness testing). The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. 	<p>40 CFR §60.4207</p> <p>40 CFR §60.4209(a)</p> <p>40 CFR §60.4211(f)</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no performance test methods or procedures associated with this unit.</p>	<p>N/A</p>
<p>4. <u>Emission Monitoring</u></p> <p>The emission monitoring requirements associated with this unit are contained in the Emission Standards and Recordkeeping and Reporting Requirements sections.</p>	<p>N/A</p>

Federally Enforceable Provisos	Regulations
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) To demonstrate compliance with the operational limitations, the Permittee shall maintain records of the date, time, duration, and purpose of operation each time this engine is operated. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request. These records shall be retained for a period of 5 years from the date of generation of each record.</p> <p>(b) To demonstrate compliance with the fuel limitations, the Permittee shall maintain records of the sulfur content <u>and</u> either the Cetane index or aromatic content of the diesel fuel that is burned in this engine. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request. These records shall be retained for a period of 5 years from the date of generation of each record.</p> <p>(c) Should the Permittee exceed an operational limit for the engine, the Permittee shall notify the Air Division in writing within two (2) working days of determining that the exceedance occurred.</p>	<p>40 CFR §60.4214</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>